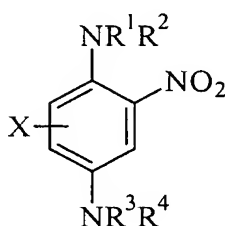


CLAIMS

1. A preparation for coloring keratin fibers, more particularly human hair, characterized in that it contains as a substantive dye at least one 2-nitro-p-phenylenediamine derivative corresponding to formula (I):

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(I)

in which R¹ to R⁴ independently of one another represent hydrogen, a C₁₋₄ hydroxyalkyl group or a saturated, mono- or polyunsaturated C₇₋₈ ring which may optionally be substituted by a C₁₋₄ alkyl group, a halogen atom, a hydroxy group or an amino group and X is hydrogen or a halogen atom, with the proviso that at least one of the substituents R¹ to R⁴ is a C₇₋₈ ring.

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2. A preparation as claimed in claim 1, characterized in that R¹ is a cycloheptyl ring.

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3. A preparation as claimed in claim 1, characterized in that R¹ is a cyclooctyl ring.

4. A preparation as claimed in any of claims 1 to 3, characterized in that X stands for hydrogen.

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5. A preparation as claimed in any of claims 1 to 4, characterized in that R² to R⁴ stand for hydrogen.

6. A preparation as claimed in any of claims 1 to 5, characterized in that it contains 1-(N-cycloheptylamino)-2-nitro-4-aminobenzene as the compound corresponding to formula (I).

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7. A preparation as claimed in any of claims 1 to 6, characterized in that it contains 1-(N-cyclooctylamino)-2-nitro-4-aminobenzene as the compound corresponding to formula (I).

8. A preparation as claimed in any of claims 1 to 7, characterized in that it is free from oxidation dye precursors.

9. A preparation as claimed in claim 8, characterized in that it remains on the hair.

5 10. A preparation as claimed in claim 8 or 9, characterized in that it is a hair-setting preparation.

11. A preparation as claimed in any of claims 1 to 7, characterized in that it contains at least one primary intermediate.

12. A preparation as claimed in claim 11, characterized in that the
10 primary intermediate is selected from p-phenylenediamine, p-toluylenediamine, p-aminophenol, 1-(2'-hydroxyethyl)-2,5-diaminobenzene, N,N-bis-(2-hydroxyethyl)-p-phenylenediamine, 4-amino-3-methylphenol, 4-amino-2-((diethylamino)-methyl)-phenol, 2-aminomethyl-4-aminophenol, 2,4,5,6-tetraaminopyrimidine, 2-hydroxy-4,5,6-triaminopyrimidine, 4-
15 hydroxy-2,5,6-triaminopyrimidine and 4,5-diamino-1-(2'-hydroxyethyl)-pyrazole.

13. A preparation as claimed in claim 11 or 12, characterized in that it contains at least one secondary intermediate selected from the group consisting of 1-naphthol, 1,5-, 2,7- and 1,7-dihydroxynaphthalene, 3-
20 aminophenol, 5-amino-2-methylphenol, resorcinol, 4-chlororesorcinol, 2-chloro-6-methyl-3-aminophenol, 2-methyl resorcinol, 5-methyl resorcinol, 2,5-dimethyl resorcinol and 2,6-dihydroxy-3,4-diaminopyridine.

14. A preparation as claimed in any of claims 1 to 13, characterized in that it additionally contains an anionic, nonionic or cationic polymer.

25 15. The use of the preparation claimed in any of claims 1 to 14 for coloring and tinting hair.

16. 1-(N-cycloheptylamino)-2-nitro-4-aminobenzene.

17. 1-(N-cyclooctylamino)-2-nitro-4-aminobenzene.